

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference NP0011	FOR FURTHER ACTION		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/EP 03/08698	International filing date (day/month/year) 06/08/2003	(Earliest) Priority Date (day/month/year) 29/08/2002	
Applicant NICOX S.A.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.
☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established by this Authority to read as follows:

PROCESS FOR PREPARING NITROOXYDERIVATIVES OF NAPROXEN

5. With regard to the **abstract**,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP 03/08698

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

INTERNATIONAL SEARCH REPORT

International Application No

T/EP 03/08698

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C201/02 C07C203/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01 10814 A (NICOX SA ;CASTALDI GRAZIANO (IT); OLDANI ERMINIO (IT); BENEDINI FR) 15 February 2001 (2001-02-15) claims; examples 2-6 page 4, last line -page 5, line 4 ---	1-8
Y	KAWASHIMA ET AL: "Synthesis and Pharmacological Evaluation of (Nitrooxy)alkyl Apovincaminates" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 36, 1993, pages 815-819, XP002210204 ISSN: 0022-2623 page 815, scheme I, route A and B, page 817, right-hand column, lines 8-42 --- -/--	1-8

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

20 January 2004

Date of mailing of the international search report

17/02/2004

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INTERNATIONAL SEARCH REPORT

International Application No

T/EP 03/08698

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	OGAWA T ET AL: "SYNTHESIS AND ANTIHYPERTENSIVE ACTIVITIES OF NEW 1,4-DIHYDROPYRIDINE DERIVATIVES CONTAINING NITROOXYALKYLESTER MOIETIES AT THE 3- AND 5-POSITIONS" CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 41, no. 6, June 1993 (1993-06), pages 1049-1054, XP001093850 ISSN: 0009-2363 page 1050, Chart 1, method C, page 1053, right-hand column, line 16 - page 1054, left-hand column, line 13 ---	1-8
Y	DATABASE WPI Section Ch, Week 199347 Derwent Publications Ltd., London, GB; Class B02, AN 1993-374590 XP002267384 & JP 05 279359 A (KAWAKEN FINE CHEM CO LTD), 26 October 1993 (1993-10-26) abstract ---	1-8
X	ABADI, ASHRAF H. ET AL: "Synthesis and cyclooxygenase inhibitory properties of novel (+) 2-(6-methoxy-2-naphthyl)propanoic acid (naproxen) derivatives" ARCHIV DER PHARMAZIE, vol. 334, no. 3, 2001, pages 104-106, XP002267383 page 105, scheme 1, reaction of 4 to 5 ---	1-8
X	C. GIORDANO ET AL.: "A Stereoconvergent Strategy for the Synthesis of Enantiomerically Pure (R)-(-) and (S)-(+)-2-(6-Methoxy-2-Naphthyl)-Propanoic Acid (Naproxen)" TETRAHEDRON, vol. 45, no. 13, 1989, pages 4243-52, XP001157233 cited in the application page 4244 scheme 1, page 4245, last paragraph before the table ---	9
A	WO 95 09831 A (NICOX LTD ;DEL SOLDATO PIERO (IT)) 13 April 1995 (1995-04-13) the whole document ---	1-8
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A	WO 98 25918 A (DROUX SERGE ;JOLY PASCAL (FR); PETIT FRANCIS (FR); GIGLIOTTI GIUSE) 18 June 1998 (1998-06-18) page 1, line 29 -page 3, line 4; claims -----	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

T/EP 03/08698

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